

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2004/001386

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N 15/31

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C12N A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CNKI

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNPAT WPI EPODOC PAJ CA BA GENBANK ETAL
PHOSPHOENOLPYRUV+ SYNTH+ PPS PATHO+ PHYTOPATHO+ XANTHOMONAS ETAL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE NCBI 'ONLINE! 23 MAY 2002(2002-05-23) DA SILVA,A.C.R. ET AL.: "Comparison of the genomes of two Xanthomonas pathogens with differing host specificities" retrieved from NCBI, acceccion no. AE012323 see the whole document & Nature, Vol.417 no.6887, 2002, pages 459-463	1-3
A	CN,A,1357043 03.Jul.2002 (03.07.2002) see the whole document	1-5

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
06.Feb.2005(06.02.2005)Date of mailing of the international search report
17 · MAR 2005 (17 · 03 · 2005)Name and mailing address of the ISA/CN
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INTERNATIONAL SEARCH REPORT

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PCT/CN2004/001386

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Chinese Journal of Biotechnology, Vol. 19, No. 6, Nov. 2003, LU Guang Tao et al, "Identification and Cloing of a Novel Gene Involved in EPS Biosynthesis of Xanthomonas campestris pv. campestris", pages 661-667	1-5
A	US,B1,6262343, 17.Jul. 2001(17.07.2001) See the whole document	1-5
A	Journal of bacteriology, Vol.172, no.10,1990,V.DE CRECY-LAGARD ET AL, "A Xanthomonas campestris pv. Campestris Protein Simimlar to Catabolite Activation Factor Is Involved in Regulation of Phytopathogenicity" pages 5877-5883	1-5

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2004/001386

CN1357043A	03.07.2002	JP2003503025T	28.01.2003
		WO0078967 A1	28.12.2000
		FR2795423 A1	29.12.2000
		AU200064512 A	09.01.2001
		BR200011889 A	05.03.2002
		EP1190062 A1	27.03.2002
US6262343B1	17.07.2001	WO0107635A	01.02.2001
		AU2214700A	13.02.2001
		US2002012981A	31.01.2002
		MXP02000884A	06.08.2002
		US6762285B	13.07.2004

国际检索报告

国际申请号

PCT/CN2004/001386

A. 主题的分类

IPC 7 C12N 15/31

按照国际专利分类表(IPC)或者同时按照国家分类和 IPC 两种分类

B. 检索领域

检索的最低限度文献(标明分类系统和分类号)

C12N A01N

包含在检索领域中的除最低限度文献以外的检索文献

CNKI

在国际检索时查阅的电子数据库(数据库的名称, 和使用的检索词(如使用))

CNPAT WPI EPODOC PAJ CA BA GENBANK ETAL
 PHOSPHOENOLPYRUV+ SYNTH+ PPS PATHO+ PHYTOPATHO+ XANTHOMONAS ETAL
 磷酸烯醇 丙酮酸 合成酶 合酶 致病 病原 黄单胞菌 等

C. 相关文件

类型*	引用文件, 必要时, 指明相关段落	相关的权利要求
X	DATABASE NCBI 'ONLINE! 23. 5月 2002(23.05.2002) DA SILVA,A.C.R 等.: "Comparison of the genomes of two Xanthomonas pathogens with differing host specificities" retrieved from NCBI, accession no. AE012323 见序列 & Nature, 第 417 卷, 第 6887 期, 2002 年出版, 第 459-463 页 CN,A,1357043(罗狄亚化学公司)2002 年 7 月 3 日 (03.07.2002) 见全文	1-3
A	生物工程学报, 第 19 卷, 第 6 期, 2003 年 11 月出版, 陆光涛等, “野 油菜黄单胞菌野油菜致病变种中一个与 EPS 合成有关的新基因的鉴定”, 第 661-667 页	1-5
A	US,B1,6262343(The Regents of the University of California),2001 年 7 月 17 日 (17.07.2001), 见全文	1-5
A	Journal of bacteriology, 第 172 卷, 第 10 期, 1990 年出版,V.DE CRECY- LAGARD 等, “A Xanthomonas campestris pv. Campestris Protein Similar to Catabolite Activation Factor Is Involved in Regulation of Phytopathogenicity” 第 5877-5883 页	1-5

 其余文件在 C 栏的续页中列出。 见同族专利附件。

* 引用文件的具体类型:

“A” 认为不特别相关的表示了现有技术一般状态的文件

“E” 在国际申请日的当天或之后公布的在先申请或专利

“L” 可能对优先权要求构成怀疑的文件, 为确定另一篇

引用文件的公布日而引用的或者因其他特殊理由而引
用的文件

“O” 涉及口头公开、使用、展览或其他方式公开的文件

“P” 公布日先于国际申请日但迟于所要求的优先权日的文件

“T” 在申请日或优先权日之后公布, 与申请不相抵触, 但为了
理解发明之理论或原理的在后文件“X” 特别相关的文件, 单独考虑该文件, 认定要求保护的
发明不是新颖的或不具有创造性“Y” 特别相关的文件, 当该文件与另一篇或者多篇该类文件
结合并且这种结合对于本领域技术人员为显而易见时,
要求保护的发明不具有创造性

“&” 同族专利的文件

国际检索实际完成的日期

06.2 月 2005(06.02.2005)

国际检索报告邮寄日期

17.3月 2005 (17.03.2005)

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受权官员



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国际检索报告
关于同族专利的信息

国际申请号
PCT/CN2004/001386

检索报告中引用的专利文件	公布日期	同族专利	公布日期
CN1357043A	03.07.2002	JP2003503025T	28.01.2003
		WO0078967 A1	28.12.2000
		FR2795423 A1	29.12.2000
		AU200064512 A	09.01.2001
		BR200011889 A	05.03.2002
		EP1190062 A1	27.03.2002
US6262343B1	17.07.2001	WO0107635A	01.02.2001
		AU2214700A	13.02.2001
		US2002012981A	31.01.2002
		MXP02000884A	06.08.2002
		US6762285B	13.07.2004